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- 1 -

SEQUENCE LISTING

<110> BAKER, Matthew
CARR, Francis J.

<120> MODIFIED BRYODIN 1 WITH REDUCED
IMMUNOGENICITY

<130> MER-134

<150> PCT/EP03/06055
<151> 2003-06-10

<150> EP 02012911.0
<151> 2002-06-11

<160> 183

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35 40 45
Leu Leu His Leu Thr Asn Tyr Ala Asp Glu Thr Ile Ser Val Ala Val
50 55 60
Asp Val Thr Asn Val Tyr Ile Met Gly Tyr Leu Ala Gly Asp Val Ser
65 70 75 80
Tyr Phe Phe Asn Glu Ala Ser Ala Thr Glu Ala Ala Lys Phe Val Phe
85 90 95
Lys Asp Ala Lys Lys Val Thr Leu Pro Tyr Ser Gly Asn Tyr Glu
100 105 110
Arg Leu Gln Thr Ala Ala Gly Lys Ile Arg Glu Asn Ile Pro Leu Gly
115 120 125
Leu Pro Ala Leu Asp Ser Ala Ile Thr Thr Leu Tyr Tyr Tyr Thr Ala
130 135 140
Ser Ser Ala Ala Ser Ala Leu Leu Val Leu Ile Gln Ser Thr Ala Glu
145 150 155 160
Ser Ala Arg Tyr Lys Phe Ile Glu Gln Gln Ile Gly Lys Arg Val Asp
165 170 175
Lys Thr Phe Leu Pro Ser Leu Ala Thr Ile Ser Leu Glu Asn Asn Trp
180 185 190
Ser Ala Leu Ser Lys Gln Ile Gln Ile Ala Ser Thr Asn Asn Gly Gln
195 200 205
Phe Glu Ser Pro Val Val Leu Ile Asp Gly Asn Asn Gln Arg Val Ser
210 215 220
Ile Thr Asn Ala Ser Ala Arg Val Val Thr Ser Asn Ile Ala Leu Leu
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Glu, Asn, Gln

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35 40 45
Xaa Xaa Leu Xaa Leu Thr Xaa Xaa Ala Asp Glu Thr Xaa Ser Val Ala
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Xaa Asp Xaa Thr Asn Val Tyr Ile Met Gly Tyr Leu Ala Gly Asp Val
65 70 75 80
Ser Tyr Phe Phe Asn Glu Ala Ser Ala Thr Glu Ala Ala Lys Xaa Xaa
85 90 95
Phe Lys Asp Ala Lys Lys Xaa Thr Leu Pro Tyr Ser Gly Asn Tyr
100 105 110
Glu Arg Xaa Gln Thr Xaa Ala Xaa Xaa Xaa Glu Asn Xaa Pro Leu
115 120 125
Gly Xaa Pro Ala Xaa Asp Ser Ala Xaa Thr Thr Xaa Tyr Xaa Xaa Thr
130 135 140
Ala Ser Ser Ala Ala Ser Ala Xaa Xaa Xaa Ile Gln Ser Thr Ala
145 150 155 160
Glu Ser Ala Arg Tyr Lys Phe Ile Glu Gln Gln Ile Gly Lys Arg Val
165 170 175
Asp Lys Thr Phe Leu Pro Ser Leu Ala Thr Xaa Ser Xaa Glu Asn Asn
180 185 190
Trp Ser Ala Xaa Ser Xaa Gln Xaa Gln Xaa Ala Ser Thr Asn Asn Gly
195 200 205
Gln Phe Glu Ser Pro Val Val Leu Ile Asp Gly Asn Asn Gln Arg Val
210 215 220
Ser Ile Thr Asn Ala Ser Ala Arg Val Val Thr Ser Asn Ile Ala Leu
225 230 235 240
Leu Leu Asn Arg Asn Asn Ile Ala Ala Ile Gly Glu Asp Ile Ser Met
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Thr Leu Ile Gly Phe Glu His Gly Leu Tyr Gly Ile
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Ala Ala Ile Gly Glu Asp Ile Ser Met Thr Leu Ile Gly
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Ile Ser Met Thr Leu Ile Gly Phe Glu His Gly Leu Tyr

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Met Thr Leu Ile Gly Phe Glu His Gly Leu Tyr Gly Ile
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Asp Val Ser Phe Arg Leu Ser Gly Ala Thr Thr Thr Ser Tyr Gly
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Thr Thr Thr Ser Tyr Gly Val Phe Ile Lys Asn Leu Arg Glu Ala
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Ser Tyr Gly Val Phe Ile Lys Asn Leu Arg Glu Ala Leu Pro Tyr
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Val Phe Ile Lys Asn Leu Arg Glu Ala Leu Pro Tyr Glu Arg Lys
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Lys Asn Leu Arg Glu Ala Leu Pro Tyr Glu Arg Lys Val Tyr Asn
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Arg Glu Ala Leu Pro Tyr Glu Arg Lys Val Tyr Asn Ile Pro Leu
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Asp Ser Ala Ile Thr Thr Leu Tyr Tyr Tyr Thr Ala Ser Ser Ala
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